In the Specification:

Please amend the specification as shown:

Please delete paragraph [00090] and replace it with the following paragraph:

[00090] FIGURE 13 presents a map of representative probes, primers, and tether oligonucleotides for binary immuno-SDA (see SEQ ID NOS 19, 6, 10, 11, 9, 1 and 18, respectively, in order of appearance).

Please delete paragraph [000154] and replace it with the following paragraph:

[000154] RHP-1 (right hand probe; sequence in **bold** is common with primer SRH-1, below):

5' CCA GTC TTG TCT TGT CTG TTC TCG GGA TGC ATT CAG TGA CGT GAT GAG CTA GAC AGA TGT ACA GT (SEQ ID NO: 1)

Please delete paragraph [00155] and replace it with the following paragraph:

[000155] RHP-3 (right hand probe; sequence in **bold** is common with primer SRH-1, below):

5' CCA GTC TTG TCT TGT CTG TTC TCG GGA TGC ATT CAG TGA CGT GAT GAG CTA GAC AGA TGT AC (SEQ ID NO: 2)

Please delete paragraph [00156] and replace it with the following paragraph:

[000156] RBD-3v3 (right hand probe; X = biotin-labeled dT; sequence in **bold** is common with primer SRH-1, below):

5' CCA GTC TTG TCT TGT CTG TTC TCG GGA TGC ATT CAG TGA CGT GAT GAG CTA GAC AGA TGT AC TTT TXT (SEQ ID NO: 3)

Please delete paragraph [00157] and replace it with the following paragraph:

[000157] LHP-1 (left hand probe; <u>underlined</u> bases are complementary with the 3' end of RHP-1):

5' ATT CAC GCT TCC ATT CCA TGT CTC GGG TTT ACT TCA TCT GCA ACT GTA C (SEQ ID NO: 4)

Please delete paragraph [00158] and replace it with the following paragraph:

[000158] LHP-2 (left hand probe; <u>underlined</u> bases are complementary with the 3' end of RHP-1):

5' ATT CAC GCT TCC ATT CCA TGT CTC GGG TTT ACT TCA TCT GCA ACT GTA CAT (SEQ ID NO: 5)

Please delete paragraph [00159] and replace it with the following paragraph:

[000159] LHP-3 (left hand probe; <u>underlined</u> bases are complementary with the 3' end of RHP-1):

5' ATT CAC GCT TCC ATT CCA TGT CTC GGG TTT ACT TCA TCT GCA ACT GTA CAT CTG T (SEQ ID NO: 6)

Please delete paragraph [00160] and replace it with the following paragraph:

[000160] LHP-4 (left hand probe; <u>underlined</u> bases are complementary with the 3' end of RHP-1):

5' ATT CAC GCT TCC ATT CCA TGT CTC GGG TTT ACT TCA TCT GCA ACT GTA CAT CTG TCT (SEQ ID NO: 7)

Please delete paragraph [00161] and replace it with the following paragraph:

[000161] LHP-5 (left hand probe; <u>underlined</u> bases are complementary with the 3' end of RHP-1):

5' ATT CAC GCT TCC ATT CCA TGT CTC GGG TTT ACT TCA TCT GCA ACT GTA CAT CT (SEQ ID NO: 8)

Please delete paragraph [00162] and replace it with the following paragraph:

Primers

[000162] SRH-1 (right-hand primer; sequence in **bold** is common with RHP-1):

5' CGA TTC AGC TGC AGA CGA TC**T CGG GAT GCA TTC AGT GAC**) <u>(SEQ ID NO: 9)</u>

Please delete paragraph [00163] and replace it with the following paragraph:

[000163] SLH-2 (left-hand primer; sequence in **bold** is common with LHP-1, 2, 3, 4 and 5; underlined bases are complementarity with the 3' end of RHP-1):

5' ACC GCA TCG AAT GAC TGT CTC GGG TTT ACT TCA TCT GCA AC (SEQ ID NO: 10)

Please delete paragraph [00164] and replace it with the following paragraph:

<u>Adapters</u>

[000164] ADR-2 (underlined bases are identical to the 3' end of TBD10.2 [D/R]):

5' ACG TTA GCC ACC ATA CGG ATA GTG ACG TGA TGA GCT AGA C (SEQ ID NO: 11)

Please delete paragraph [00165] and replace it with the following paragraph:

[000165] ADR-5 (underlined bases are identical to the 3' end of TBD10.2 [D/R]):

5' ACG TTA GCC ACC ATA CGG ATG ATG AGC TAG AC (SEQ ID NO: 12)

Please delete paragraph [00166] and replace it with the following paragraph:

[000166] ADR-8 (underlined bases are identical to the 3' end of TBD10.2 [D/R]):

5' ACG TTA GCC ACC ATA CGG ATG TGA CGT GAT GAG C (SEQ ID NO: 13) Please delete paragraph [00167] and replace it with the following paragraph:

[000167] ADIQS-1 (IQS adapter):

5' ACG TTA GCC ACC ATA CGG ATG ATG AGC ATC TG (SEQ ID NO: 14)

Please delete paragraph [00168] and replace it with the following paragraph:

[000168] ADQS-2 (adapter for IQS-2; <u>underlined</u> bases are identical to 3' end of altD6.9(F/D)):

5' AGC TAT CCG CCA TAA GCC AT AC TCA GAG TGA TCA AGT (SEQ ID NO: 15)

Please delete paragraph [00169] and replace it with the following paragraph:

Reporters

[000169] TBD10.2 (D/R) (underlined bases are identical to the 5' end of ADR-2 and ADR-5):

5' (dabcyl)-TAG CGC CCG AGC GCT ACG TT(rox)A GCC ACC ATA CGG AT (SEQ ID NO: 16)

Please delete paragraph [00170] and replace it with the following paragraph:

[000170] altD6.9 (F/D):

5' (fam)-AGT TGC CCC GAG GCA ACT(dabcyl) AGC TAT CCG CCA TAA GCC AT (SEQ ID NO: 17)

Please delete	paragraph	[00171]	and rep	lace it with	the fo	llowing i	paragraph:

Tether Oligonucleotides

[000171] RCP-1 (tether oligonucleotide; UPPER CASE bases are complementary to the 5' end of RHP-1):

5' CCG AGA ACA GAC AAG ACA AGA CTG Gat at (SEQ ID NO: 18)

Please delete paragraph [00172] and replace it with the following paragraph:

[000172] LCP-2 (tether oligonucleotide; UPPER CASE bases are complementary to the 5' end of LHP 1-5):

5' CGA GAC ATG GAA TGG AAG CGT GAA Ttt tt (SEQ ID NO: 19)

Please delete paragraph [00173] and replace it with the following paragraph:

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[000173] LCP-4 (tether oligonucleotide; UPPER CASE bases are complementary to the 5' end of LHP 1-5):

5' t tta ttt tat CGA GAC ATG GAA TGG AAG CGT GAA T (SEQ ID NO: 20)

Please delete paragraph [00174] and replace it with the following paragraph:

Capture and Displacement Oligos

[000174] RCP-13v1 (capture oligonucleotide; UPPER CASE bases are complementary to a sequence near the 5' end of RHP-3; <u>underlined</u> bases are complementary to DO-13v1; X = tetra-ethylene glycol; Z = hexa-ethylene glycol; X is linked to Z through a phosphodiester moiety; and Z is linked to the 5' end of the oligonucleotide through a phosphodiester moiety):

5' biotin-X-Z-cct ggt acg agt ttc tat cct AA TGC ATC aCG AGA ACA GAC AAG ACA AG t (SEQ ID NO: 21)

Please delete paragraph [00175] and replace it with the following paragraph:

[000175] DO-13v1 (displacement oligonucleotide [cap] = 3' deoxyruidine):

5' CTT GTC TTG TCT GTT CTC GTG ATG CAT TAG GAT AGA AAC TCG TAC CAG G-[cap] 3' (SEQ ID NO: 22)

Please delete paragraph [00176] and replace it with the following paragraph:

[000176] RCP-9v2.2 (capture oligonucleotide; UPPERCASE bases are complementary to bases near the 5' end of RHP-3; <u>underlined</u> bases are complementary to displacement oligo CMPR-9v2; X = tetra-ethylene glycol; Z = hexa-ethylene glycol; X is linked to Z through a phosphodiester moiety; and Z is linked to the 5' end of the oligonucleotide through a phosphodiester moiety):

5' biotin-X-Z-t tta CAC TGA ATG CAT tCC tAG AAC AGA CAA GAC AAG ACT ccg tgg cAg cgt (SEQ ID NO: 23)

Please delete paragraph [00177] and replace it with the following paragraph:

[000177] CMPR-9v2 (capture oligonucleotide; UPPER CASE bases are complementary to the 5' end of RHP-3; [cap] = 3' deoxyuridine):

5' ACG CTG CCA CGG AGT CTT GTC TTG TCT GTT CTt GGA ATG CAT TCA GT-[cap] 3' (SEQ ID NO: 24)

Please delete paragraph [00178] and replace it with the following paragraph:

<u>Blocking Oligonucleotides</u> ([cap] = 2', 3' dideoxycytidine) [000178] LBK-1 (UPPERCASE bases are complementary to 3' end of LHP-3):

5' ACA GAT GTA CAG Taa ttt-[cap] 3' (SEQ ID NO: 25)

Please delete paragraph [00179] and replace it with the following paragraph:

[000179] RDB-3p5 (UPPER CASE bases are complementary to 3' end of RHP-1; underlined bases are complementary to 3' end of RHP-3):

5' cag ttc agc acA CTG TAC ATC TGT CTA GC aa-[cap] 3' (SEQ ID NO: 26)

Please delete paragraph [00180] and replace it with the following paragraph:

[000180] RDB-3p8 (UPPER CASE bases are complementary to 3' end of RHP-1; underlined bases are complementary to 3' end of RHP-3):

5' cag ttc agc acA CTG TAC ATC TGT CTA GCT CA aa-[cap] 3' (SEQ ID NO: 27)

Please delete paragraph [00181] and replace it with the following paragraph:

[000181] RDB-3p10 (UPPER CASE bases are complementary to 3' end of RHP-1; underlined bases are complementary to 3' end of RHP-3):

5' cag ttc agc acA CTG TAC ATC TG T CTA GCT CAT Cta-[cap] 3'

(SEQ ID NO: 28)

Please delete paragraph [00182] and replace it with the following paragraph:

[000182] RDB-3z8 (UPPER CASE bases are complementary to 3' end of RHP-3):

5' cag ttc agc ac aa GTA CAT CTG TCT AGC TCA aac-[cap] 3'

(SEQ ID NO: 29)

Please delete paragraph [00183] and replace it with the following paragraph:

[000183] RDB-3z0 (UPPER CASE bases are complementary to 3' end of RHP-3):

5' cag ttc agc ac aa GTA CAT CTG T aac-[cap]3' (SEQ ID NO: 30)

Please delete paragraph [00184] and replace it with the following paragraph:

Quantification Standards and Quality Control ("QC") Nucleotides
[000184] LTAR-1 (QC oligonucleotide from Epoch Biosciences (Bothell, WA); underlined
bases differ from IQS-1):

5' TTT TAC TTC ATC TGC AAC <u>TGT AC</u>A TCT <u>GTC TA</u>G CTC ATC ACG TCA CTG AAT GCA T <u>(SEQ ID NO: 31)</u>

Please delete paragraph [00185] and replace it with the following paragraph:

[000185] IQS-1 (internal quantification standard; underlined bases differ from LTAR-1):

5' TT TAC TTC ATC TGC AAC <u>ACA TG</u>A TCT <u>CAG AT</u>G CTC ATC ACG TCA CTG AAT GCA TC <u>(SEQ ID NO: 32)</u>

Please delete paragraph [00186] and replace it with the following paragraph:

[000186] IQS-2 (internal quantification standard; lower case bases differ from target-derived amplicon):

5' TTA CTT CAT CTG CAA C at ctg tca ctt gat cac tct ga G TCA CTG AAT GCA TC (SEQ ID NO: 33)